AMENDMENTS TO THE CLAIMS

Following is a listing of the claims for this application. Please cancel Claims 26-29 and add new claims 30-33. Additions are underlined and deletions are shown in strikethrough text.

1. (Currently amended) An interface between a driving member and a driven member, the interface comprising:

a driving member having a polygonal length, said polygonal length having at least one surface selected from the group consisting of concave ; convex and straight and convex surfaces; and

a driven member having a matching polygonal length, wherein a portion of one of the polygonal lengths is twisted along an axis of the length.

- 2. (Original) The interface of Claim 1 wherein the twist is from about 0° 10' to about 1°.
- 3. (Currently amended) The interface of Claim 1 wherein the [driven member comprises] matching polygonal length is a shaft having a male polygonal length.
- 4. (Original) The interface of Claim 1, further comprising a second twist along the axis of the length, said second twist in a direction opposite the twisted portion.
- 5. (Original) The interface of Claim 1 wherein the driven member comprises a shaft having a male polygonal length with at least one portion of the length twisted from about 0° 20' to about 0° 50'.

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- 6. (Original) The interface of Claim 1 wherein one of the driving member and the driven member is straight.
- 7. (Original) The interface of Claim 1 wherein the polygonal length has a relative eccentricity of from about 1.5% to about 4%.

- 8. (Original) The interface of Claim 1 wherein the driven member comprises a shaft having a concave male polygonal length with a number of sides selected from the group consisting of 3 to 12.
- 9. (Currently amended) A method of interfacing a driving member with a driven member, the method comprising:

providing a driving member having a polygonal length and a driven member with a matching polygonal length, wherein one of the driving member and the driven member has at least one a portion of the length twisted from about 0° 10' to about 1° between two straight portions along an axis of the length; and

joining the driving member with the driven member.

- 10. (Original) The method of Claim 9 wherein the driven member comprises a shaft and the driven member comprises a flange.
- 11. (Original) The method of Claim 9 wherein the driven member comprises a shaft having a male polygonal length.
- 12. (Original) The method of Claim 9 wherein the driven member comprises a shaft having a male polygonal length with at least one portion of the length twisted from about 0° 20' to about 0° 50'.
- 13. (Original) The method of Claim 9 wherein the driving member and the driven member comprise one of a group consisting of a compressor, a pump, a machine tool, a mechanical drive, a generator, and a motor.
- 14. (Currently amended) A coupling for an automotive drive shaft, the coupling comprising:
- a shaft having a polygonal length, said polygonal length selected from the group consisting of concave, convex and straight surfaces; and

a mounting device having a matching polygonal length, wherein one of the mounting device and the shaft has at least one a portion of the polygonal length twisted from about 0° 10' to about 1° between two straight portions.

- 15. (Original) The coupling of Claim 14 wherein the mounting device comprises a flange.
- 16. (Currently amended) The coupling of Claim 14 wherein the [driven member] polygonal length of the shaft comprises a male polygonal length with at least a portion of the length twisted from about 0° 20' to about 0° 50'.
- 17. (Original) The coupling of Claim 14 wherein the polygonal length has a relative eccentricity of from about 1.5% to about 4%.
- 18. (Original) The coupling of Claim 14, wherein one of the shaft and the mounting device are straight.
- 19. (Currently amended) The coupling of Claim 14 wherein the driven member is a shaft having has a concave male polygonal length with a number of sides selected from the group consisting of 3 to 12.
- 20. (Currently amended) A coupling for transmitting rotational energy from a driving member to a driven member, the coupling comprising:
 - a driving member having a polygonal length; and

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- a driven member having a matching polygonal length, wherein at least a portion of one of the members has a twist of from about 0° 10' to about 1° between two straight portions.
- 21. (Original) The coupling of Claim 20 wherein the driving member is selected from the group consisting of an axle, a half axle and shaft.

- 22. (Currently amended) The coupling of Claim 20 wherein the driven member has matching polygonal length comprises a male polygonal length including a twist from about 0° 20' to about 0° 50'.
- 23. (Original) The coupling of Claim 20 wherein the polygonal length has a relative eccentricity of from about 1.5% to about 4%.
- 24. (Original) The coupling of Claim 20 wherein the driven member is a shaft having a concave male polygonal length with a number of sides selected from the group consisting of 3 to 12.
 - 25. (Original) The coupling of Claim 20 wherein one of the members is straight.

26-29. (Cancelled)

30. (new) An interface between a driving member and a driven member, the interface comprising:

94 (... ii) a driving member having a polygonal length; and

a driven member having a matching polygonal length,

wherein a portion of one of the polygonal lengths has a twisted portion between two straight portions along an axis of the length.

- 31. (new) The interface of Claim 30 wherein the twist is from about 0° 10' to about 1°.
- 32. (new) The interface of Claim 30 wherein at least one of the polygonal lengths has a relative eccentricity of from about 1.5% to about 4%.
- 33. (new) The interface of Claim 30 wherein the driven member is a shaft having a male polygonal length with a number of sides selected from the group consisting of 3 to 12.